DDR2 DDR3 Tester with Led User manual

product introduction:

This new DDR2 DDR3 tester with Led is upgraded tester, no extra power supply needed, support all INTEL, AMD motherboard with DDR2 and DDR3 interface, Use light-emitting diodes to indicate the data line address line of open and short circuit, used to repair motherboard of not boot, not display, not read memory and so on, is an essential tool for repairing pc motherboard。

User Guide:

1, first,install 3.3V(CR2032) battery on the tester, then test every DDR2 or DDR3 memory slots of motherboard, motherboard don't need to power on, press the button on the tester switch, lights all bright and the same brightness, it show that signal lines are ok,if there is some light not bright or specialy extra bright, it shows that this signal line is open or short circuit. (notice: when test motherboard of intel, it can test the motherboard without CPU and adapters, when test motherboard of AMD (such as 940, AM2, 1207, 1366), motherboard must with CPU, LED will light。

2, When test motherboard with DDR2 slot, if address line without Pull-exclusion, all LED lighted, it show ok,if with Pull-exclusion, all LED lighted, it only show no open for exclusion, you must use multimeter to further determine if there is open for address line of BGA。(how to determine if there is pull-exclusion: pull-exclusion is normaly designed near memory slot。Gerneraly there are several exclusions, one side connect to address lin, another side connect to power)

3, method of determining address lines by multimeter: pull multimeter to the X1 that is one ohm stalls, black pen connect to ground of motherboard, use red pen to measure the measurement hole of DDR2 address lines, if resistance value of address line is consistent,it show that there is no air welding for address lines of BGA, if large swing,it show that there is air welding for address lines of BGA or open line for PCB。

Notes:

1, This tester is one tester both for DDR2 and DDR3 slot, LEDs of all data bus and address lines are shared by DDR2 and DDR3。Clock signal CK2 and /CK2 is signal of DDR2, when test DDR3 slot, the 2 signal LEDs not light, when test DDR2 slot, for RESET, BA2, A14,as motherboards were designed in differnce, possibly some LEDs no light, can according to same type motherboard then determine fault 。
2, When test motherboard of AMD, motherboard must with CPU, Leds will be light。
3, When test motherboard with DDR3 slot, if all leds are lighted, it show ok, don't need to measure resistance value of address lines。